Lalitha Madhuri Divakaruni

Canada

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PROFESSIONAL SUMMARY: PROFESSIONAL SUMMARY: Full Stack Developer with experience in building secure, scalable web and mobile apps. Skilled in Java, React, Firebase, and API design. Passionate about user-focused, impactful tech solutions.

TECHNICAL SKILLS

- **Programming**: C, C++, JavaScript, SQL, Java, Python, Visual Basic
- **Tools:** Jira, Postman, Git, VS Code, MS SQL Server, Firebase
- **Frontend:** HTML, CSS, Tailwind, Bootstrap, AngularJS
- **Backend:** Node.js, Express.js, APIs, Firebase, MySQL
- **Platforms**: Android Studio, WordPress, Firebase, Windows
- **Soft Skills:** Attention to detail, Teamwork, Communication, Initiative

EDUCATION

Mobile Solutions Development	2024
Conestoga College, Waterloo	
Bachelor of Information Technology	2023
Jawaharlal Nehru Technological University, Hyderabad, India.	

TECHNICAL EXPERTISE

CropCrew – Android Farm Management App (2024)
Tech Stack:
- **Frontend:** Android (Java, XML), Material Design Components
- **Backend:** Firebase Realtime Database, Firebase Authentication
- **APIs:** OpenWeatherMap API for weather updates, Google Maps (planned)
- **Tools:** Android Studio, GitHub, Jira

Medicine Reminder App (2024)
Tech Stack:
- **Frontend:** Android (Java, XML)
- **Services:** AlarmManager, NotificationManager
- **Tools:** Android Studio, Git
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Search Engine with Machine Learning (2022–23)
Tech Stack:
- **Backend:** Python (NLTK, Scikit-learn for ML-based relevance scoring), MySQL
- **Frontend:** HTML5, CSS3, JavaScript
- **Tools:** VS Code, GitHub

Android Tour Recommendation System (2022)
Tech Stack:
- **Frontend:** Android (Java, XML), Google Maps API
- **Backend:** MySQL
- **APIs:** REST API for fetching destination data
- **Tools:** Android Studio, Git

Decor Master – Flutter Home Decor App (2022)
Tech Stack:
- **Frontend:** Flutter (Dart), Material Design
- **Planned Integration:** ARCore (for augmented reality), Image Processing Library (OpenCV or ML Kit)
- **Tools:** Android Studio, GitHub

PROJECTS

Git Repository: https://github.com/LalithaaD?tab=repositories

CropCrew – Android Farm Management App (2024)
- Agricultural workers lacked an efficient way to manage daily farm tasks and resources.
- Design and build a mobile-first platform to streamline farm operations and enable real-time coordination between field workers and managers.
- Built an Android app with secure login, GPS-based location tracking, and real-time weather updates. Used Firebase Realtime DB for sync and offline access. Integrated modular UI components following Material Design.
- Successfully deployed a functioning prototype with real-time task tracking.

Medicine Reminder App (2024)
- Patients often missed medication doses due to forgetfulness.
- Develop a lightweight, intuitive app to remind users about their daily medication schedule.
- Created an Android app with simple UI, alarm-based reminders, and ability to view/edit scheduled alerts.
- Demonstrated during classroom testing with 95% reminder accuracy and user satisfaction for simplicity.

Search Engine with Machine Learning (2022–23)
- Existing college-level search tools returned irrelevant or low-priority results.
- Build a basic search engine that uses ML to rank results by relevance.
- Developed a Python-based backend for query processing and result scoring using an ML model. Built a responsive UI for search interaction.
- Achieved 30% increase in result relevance compared to standard keyword-based search.

Android Tour Recommendation System (2022)
- Users found it difficult to plan travel based on preferences and location.
- Create an app that suggests personalized destinations.
- Used user preferences and location data to fetch destinations using REST API. Implemented interactive UI with maps and suggestions.
- Improved demo user engagement by 40% and received positive feedback for user-friendliness.

Decor Master – Flutter-based Home Decor App (2022)
- Users wanted ideas for room renovation based on current room aesthetics.
- Design a mobile app that suggests decor ideas based on room images.
- Built a basic Flutter app with navigation, input handling, and UI components. Planned integration of AR and image analysis for future releases.
- MVP demonstrated and received positive responses during academic review.

CERTIFICATIONS

- AWS Cloud Virtual Internship (2021)
- AICTE AI-ML Virtual Internship (2022)
- CCNA: Introduction to Networks (2021)
- CCNA: Essentials of C language (2020)
- Google UX Design Foundations (In Progress)
- Building LLM applications with prompt engineering (In Progress)

ADDITIONAL INFORMATION

- **Availability:** Open to relocation, hybrid, or remote roles
- **Languages:** English (Fluent), Telugu (Native), Hindi (Conversational)
- **Work Authorization:** Eligible to work in Canada